SD4DR / IC430

4" SD LED Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

ELECTRICAL DATA

LED Light Engine	System Wattage * @ 120V	CCT	Nominal Delivered Lumens **	Efficacy
L0	8W	3500K	750 lm	94 lm/W
L1	10W	3500K	1000 lm	103 lm/W
L2	14W	3500K	1500 lm	110 lm/W
L3	19W	3500K	2000 lm	108 lm/W
L4	23W	3500K	2500 lm	111 lm/W
L5	28W	3500K	3000 lm	110 lm/W
L6	33W	3500K	3500 lm	109 lm/W
L7	38W	3500K	4000 lm	108 lm/W

*System Wattage includes driver and LED Module consumption. | **Delivered lumen output will vary depending on CCT selection.

LED MODULE / OPTICS
- 80/90 CRI at 2700K, 3000K, 3500K, 4000K with 2 SDCM
- 70% lumen maintenance at 50,000 hours
- 30° Narrow Flood, 50° Flood or 70° Wide Flood

ELECTRICAL SYSTEM
- Dedicated voltage options of 120V, 277V or 347V must be specified in catalog code.
- Phase dimming available in 120V only
- 347V available with Osram 0-10V 1% Dimming only

REFLECTOR
Specification grade reflector with 1.2mm thickness. Architectural, discrete polished self flange standard. Optional painted white flange is available. Meets RP-1 requirements with controlled light distribution at a 50° cut off.

DIMMING
- 0-10V Dimming 1%
- Phase Dimming 120V only, Forward 1% / Reverse 5%
- EldoLED 0-10V 0.1% or 1%
- Lutron® LDE1 Hi-Lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology
- Lutron® LTEA2W Hi-Lume 1% 2-Wire LED driver (120V forward phase only)DMX512 RDM 0.1%

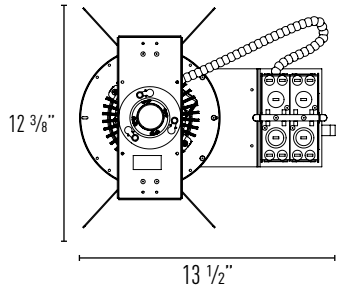
FRAME CONSTRUCTION
Heavy duty galvanized steel frame with a large access junction box. ETL listed for through wiring. LED light engine and driver are accessible from above or below ceiling.

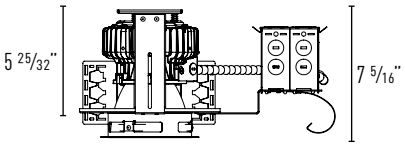
INSTALLATION
The luminaire is type Non-IC. Insulation must be kept at a minimum of 3" away from fixture. Universal mounting brackets included. Compatible with C-channel, flat bar, wood joist bar hanger and EMT. Bar hangers must be ordered separately. C-channel is recommended for T-bar ceilings. Maximum ceiling thickness is 1 ¼". Max. ambient temperature: 95°F (35°C).

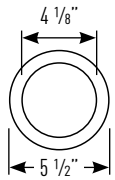
EMERGENCY BACKUP
External battery operates LED load of up to 7W at a minimum of 800 lumens for 90 minutes (EM7), or 20W at a minimum of 2300 lumens for 90 minutes (EM20). Available with remote or integral test switch, must specify.

intellect™
- Integrated control system provides occupancy and light level detection, and controls the load directly by the power control module Integrated intelligent fixture controls
- Visit Leviton intellect™ for more info

LISTING/WARRANTY
- ETL listed to US and Canadian standards for damp locations.
- 5-Year Intense LED Limited Warranty
- ENERGY STAR® Qualified[10]







Sensor Control Module

Ceiling Cut Out: 4 ¾"
Maximum Ceiling Thickness: 1 ¼"

Housing Part Number (Example: SD4DRL130-D101-NF)

Housing	LED Module	CCT / CRI	Dimming	Voltage	Optic	Options
SD4DR	☐ **L0**[1] (8W)	☐ **27** (2700K / 80 CRI)	☐ **-D101** (Osram 0-10V 1%)	☐ blank (120V)	☐ **-NF** (30°)	☐ **EM7** (7W Emergency Backup w/ Remote Test Switch IOTA part #ILB-CP07-A)
	☐ **L1** (10W)	☐ **279** (2700K / 90 CRI)	☐ **-IE**[3] (Intellect Wireless 1%)	☐ **27** (277V)	☐ **-FL** (50°)	
	☐ **L2** (14W)	☐ **30** (3000K / 80 CRI)	☐ **-DIM**[4,5] (Phase Dimming)	☐ **34**[8] (347V)	☐ **-WF** (70°)	☐ **EM7T** (7W Emergency Unit w/ Integral Test Switch IOTA part #ILB-CP07-R)
	☐ **L3** (19W)	☐ **309** (3000K / 90 CRI)	☐ **-ED10V1** (eldoLED 0-10V 1%)			
	☐ **L4** (23W)	☐ **35** (3500K / 80 CRI)	☐ **-ED10V01** (eldoLED 0-10V 0.1%)			☐ **EM20**[9] (20W Emergency Backup w/ Remote Test Switch IOTA ILB-CP20-HE-S)
	☐ **L5** (28W)	☐ **359** (3500K / 90 CRI)	☐ **-LUT**[6] (Lutron® LDE1 EcoSystem 1%)			
	☐ **L6** (33W)	☐ **40** (4000K / 80 CRI)	☐ **-LUT2**[5,6] (Lutron® LTEA2W 2-Wire 1%)			
	☐ **L7**[2] (38W)	☐ **409** (4000K / 90 CRI)	☐ **-DMXR**[7] (DMX512 RDM 0.1%)			

Reflector Part Number (Example: IC430HZ-SF)

Reflector	Reflector Finish	Trim	Option
IC430	☐ **C** (Clear)	☐ **-SF** (Self-Flanged)	☐ **EM7T** (Integral Test Switch)
	☐ **HZ** (Haze)	☐ **-SFW** (Self-Flanged White)	
	☐ **W** (White)		
	☐ **B** (Black)		

Accessories

☐ **I100**	(C-Channel Bar Hangers)
☐ **I200**	(Flat Bar Hangers)
☐ **I400**	(Wood Joist Bar Hangers)

Notes:
1. L0 only available with -D101
2. 347V Not available with L7 option
3. Intellect not available with eldoLED, Lutron, Dali or DMX Dimming (Integrated intellect control system includes sensor and power pack. Keypad Room Controller must be specified separately)
4. Not available in L1, L2 or L7
5. Not available in 277V
6. Lutron not available in L1 & L7
7. DMX512 RDM not available in L1 & L2
8. 347V only available with Osram 0-10V 1% Dimming
9. 20W emergency not available in L1, L2 & L3
10. ENERGY STAR® Qualified (White reflectors only; **Excludes:** CCT/CRI options 279, 309 & 359)

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SD4DR / IC430

4" SD LED Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

Electrical Table					
Lumen Package	**Voltage**	**Wattage**	**VA**	**Input Current**	**Power Factor**
L0	120	7.43	7.99	0.07	0.930
	277	8.41	11.87	0.04	0.709
L1	120	9.75	10.37	0.09	0.94
	277	10.82	14.18	0.05	0.76
L2	120	13.71	14.35	0.12	0.96
	277	14.85	18.06	0.07	0.82
L3	120	18.27	18.54	0.15	0.99
	277	19.77	22.92	0.08	0.86
L4	120	22.74	23.04	0.19	0.99
	277	24.09	27.31	0.10	0.88
L5	120	27.18	27.44	0.23	0.99
	277	28.93	32.00	0.12	0.90
L6	120	32.76	32.84	0.27	1.00
	277	34.09	36.72	0.13	0.93
L7	120	37.71	37.79	0.31	1.00
	277	38.86	41.77	0.15	0.93

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SD4DR / IC430

4" SD LED Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

SD4DRL135 IC430C

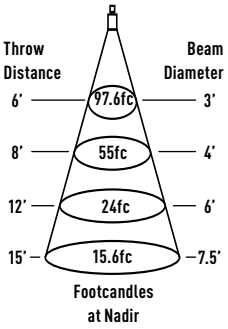
CCT MULTIPLIERS:

	80 CRI	90 CRI
2700K	(x 0.92)	(x 0.79)
3000K	(x 0.98)	(x 0.79)
3500K	(x 1.00)	(x 0.82)
4000K	(x 1.01)	(x 0.84)

FINISH MULTIPLIERS

	30°	50°	60°
Clear	(x 1.00)	(x 1.00)	(x 1.00)
Haze	(x 0.96)	(x 0.96)	(x 0.88)
White	(x 0.96)	(x 0.97)	(x 0.90)

-NF (30° Narrow Flood)

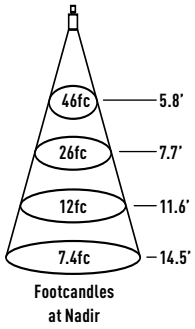


Watts: 10 **LPW:** 100.8
Lumens: 1008 **CCT:** 3500K

Luminance

Degree	CBCP
0°	3513
5°	3123
15°	1580
25°	485
35°	88
45°	5

-FL (50° Flood)

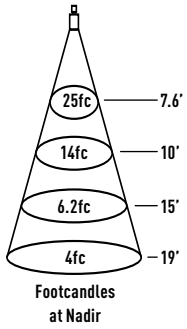


Watts: 10 **LPW:** 107.7
Lumens: 1077 **CCT:** 3500K

Luminance

Degree	CBCP
0°	1665
5°	1653
15°	1546
25°	915
35°	105
45°	5

-WF (70° Wide Flood)



Watts: 10 **LPW:** 99.4
Lumens: 994 **CCT:** 3500K

Luminance

Degree	CBCP
0°	899
5°	984
15°	1084
25°	789
35°	320
45°	36

SD4DRL235 IC430C

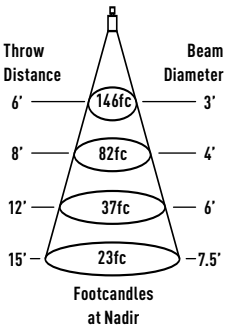
CCT MULTIPLIERS:

	80 CRI	90 CRI
2700K	(x 0.92)	(x 0.79)
3000K	(x 0.98)	(x 0.79)
3500K	(x 1.00)	(x 0.82)
4000K	(x 1.01)	(x 0.84)

FINISH MULTIPLIERS

	30°	50°	70°
Clear	(x 1.00)	(x 1.00)	(x 1.00)
Haze	(x 0.96)	(x 0.96)	(x 0.88)
White	(x 0.96)	(x 0.97)	(x 0.90)

-NF (30° Narrow Flood)

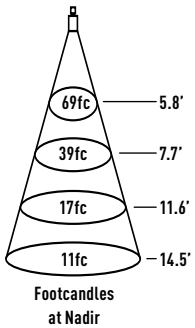


Watts: 14 **LPW:** 107.9
Lumens: 1511 **CCT:** 3500K

Luminance

Degree	CBCP
0°	5269
5°	4684
15°	2370
25°	727
35°	132
45°	7

-FL (50° Flood)

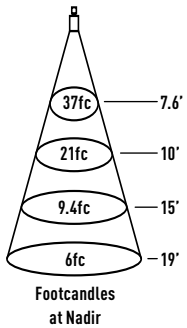


Watts: 14 **LPW:** 115.4
Lumens: 1616 **CCT:** 3500K

Luminance

Degree	CBCP
0°	2498
5°	2480
15°	2320
25°	1372
35°	158
45°	8

-WF (70° Wide Flood)



Watts: 14 **LPW:** 106.5
Lumens: 1491 **CCT:** 3500K

Luminance

Degree	CBCP
0°	1348
5°	1477
15°	1625
25°	1183
35°	480
45°	54

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SD4DR / IC430

4" SD LED Downlight

JOB NAME		CATALOG NUMBER	
NOTES		TYPE	

SD4DRL335 IC430C

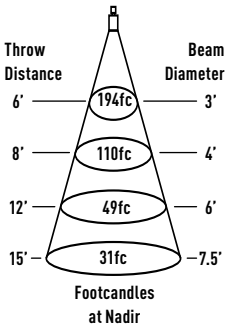
CCT MULTIPLIERS:

	80 CRI	90 CRI
2700K	(x 0.92)	(x 0.79)
3000K	(x 0.98)	(x 0.79)
3500K	(x 1.00)	(x 0.82)
4000K	(x 1.01)	(x 0.84)

FINISH MULTIPLIERS

	30°	50°	70°
Clear	(x 1.00)	(x 1.00)	(x 1.00)
Haze	(x 0.96)	(x 0.96)	(x 0.88)
White	(x 0.96)	(x 0.97)	(x 0.90)

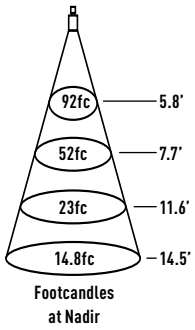
-NF (30° Narrow Flood)



Watts: 19 **LPW:** 105.89
Lumens: 2012 **CCT:** 3500K

Luminance	
Degree	**CBCP**
0°	7014
5°	6234
15°	3155
25°	968
35°	176
45°	9

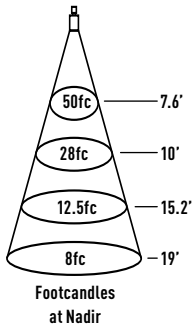
-FL (50° Flood)



Watts: 19 **LPW:** 113.2
Lumens: 2151 **CCT:** 3500K

Luminance	
Degree	**CBCP**
0°	3324
5°	3300
15°	3087
25°	1826
35°	210
45°	11

-WF (70° Wide Flood)



Watts: 19 **LPW:** 104.5
Lumens: 1985 **CCT:** 3500K

Luminance	
Degree	**CBCP**
0°	1794
5°	1965
15°	2164
25°	1575
35°	639
45°	72

SD4DRL435 IC430C

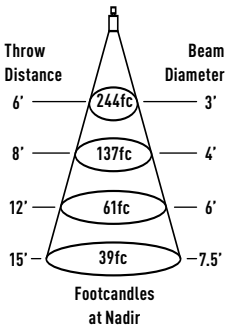
CCT MULTIPLIERS:

	80 CRI	90 CRI
2700K	(x 0.92)	(x 0.79)
3000K	(x 0.98)	(x 0.79)
3500K	(x 1.00)	(x 0.82)
4000K	(x 1.01)	(x 0.84)

FINISH MULTIPLIERS

	30°	50°	70°
Clear	(x 1.00)	(x 1.00)	(x 1.00)
Haze	(x 0.96)	(x 0.96)	(x 0.88)
White	(x 0.96)	(x 0.97)	(x 0.90)

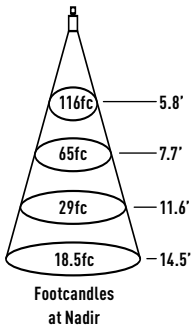
-NF (30° Narrow Flood)



Watts:23 **LPW:** 109.3
Lumens: 2515 **CCT:** 3500K

Luminance	
Degree	**CBCP**
0°	8770
5°	7795
15°	3945
25°	1210
35°	220
45°	12

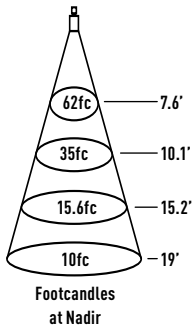
-FL (50° Flood)



Watts:23 **LPW:** 116.9
Lumens: 2690 **CCT:** 3500K

Luminance	
Degree	**CBCP**
0°	4157
5°	4127
15°	3861
25°	2283
35°	263
45°	13

-WF (70° Wide Flood)



Watts:23 **LPW:** 107.9
Lumens: 2482 **CCT:** 3500K

Luminance	
Degree	**CBCP**
0°	2243
5°	2458
15°	2705
25°	1969
35°	799
45°	90

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